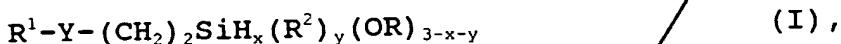


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WHAT IS CLAIMED AS NEW AND IS DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

1. An alcoholic fluoroalkyl-functional group containing organosiloxane based composition prepared by the controlled hydrolysis of at least one fluoroalkyl-functional group containing organosilane of formula I:



in which R¹ is a mono-, oligo- or perfluorinated alkyl group having 1-9 C atoms or a mono-, oligo- or perfluorinated aryl group, Y is a CH₂, O or S group, R² and R are each independently a linear, branched or cyclic alkyl group having 1-8 C atoms or an aryl group and x = 0, 1 or 2 and y = 0, 1 or 2, where (x+y)≤2, at a temperature in the range of 0-120°C over a period of 0.5-24 hours and with thorough mixing in an alcoholic medium which contains water and a weak mono- or polybasic acid or a weak base or a weak mono- or polybasic acid and a weak base or an acid or basic salt, the water employed and the alkoxy silane employed being in a molar ratio of 2-500:1.

2. The composition as claimed in Claim 1, which has a pH of 2-12.

3. The composition as claimed in Claim 1, wherein the alcohol content in the composition is 40-99.999% by weight.

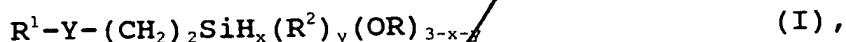
4. The composition as claimed of Claim 1, which is free of chlorine.

5. The composition as claimed in Claim 1, which contains fluoroalkyl-functional group containing organosiloxanes in amounts of 0.001-30% by weight, based on

the composition.

6. The composition as claimed in Claim 1, which has a viscosity of less than 10,000 mPa·s.

5 7. A process for the preparation of a fluoroalkyl-functional group containing organosiloxane composition as claimed in Claim 1, which comprises subjecting at least one fluoroalkyl-functional group containing organosilane of formula I:

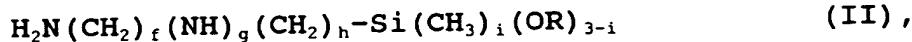


10 in wherein R¹ is a mono, oligo- or perfluorinated alkyl group having 1-9 C atoms or a mono-, oligo- or perfluorinated aryl group, Y is a CH₂, O or S group, R² and R are each independently a linear, branched or cyclic alkyl group having 1-8 C atoms or an aryl group and x = 0, 1 or 2 and y = 0, 1 or 2, where (x+y)≤2, to controlled hydrolysis with thorough mixing, in an aqueous alcoholic medium which contains a weak mono- or polybasic acid or a weak base or a weak mono- or polybasic acid and a weak base or an acid or basic salt, at a temperature in the range of 0-120°C and over a period of 0.5-15 24 hours, the water and the alkoxy silane being employed in a molar ratio of 2-500:1.

20 24 hours, the water and the alkoxy silane being employed in a molar ratio of 2-500:1.

8. The process as claimed in Claim 7, wherein the pH in the reaction medium is adjusted to a value of 2-12.

25 9. The process as claimed in Claim 7, wherein said weak base is an organosilane of formula II:



in which 0≤f≤6, g=0 if f=0 and g=1 if f>1, 0≤h≤6, 0≤i≤1 and R is a linear, branched or cyclic alkyl group having 1-8 C

atoms or an aryl group, or an alkylamine of formula III:



wherein R³ is a linear, branched or cyclic alkyl group having 1-8 C atoms or a linear, branched or cyclic aminoalkyl group having 1-8 C atoms or an aryl group, z = 1, 2 or 3 and groups R³ are identical or different.

5 10. The process as claimed in Claim 7, wherein said weak acid is formic acid, acetic acid, propionic acid or citric acid.

10 11. The process as claimed in Claim 7, wherein said acid salt alkali metal hydrogen sulfate, dihydrogen phosphate or aluminum acetate.

15 12. The process as claimed in Claim 7, wherein said basic salt is magnesium hydroxide, alkali metal acetate, alkali metal bicarbonate or alkali metal carbonate.

20 13. The process as claimed in Claim 7, wherein said alcohol is the alcohol corresponding to the alkoxy group of the organosiloxane employed.

25 14. The process as claimed in Claim 7, wherein said alcohol is methanol, ethanol, n-propanol, i-propanol, n-butanol, i-butanol, t-butanol and/or 2-methoxyethanol.

15 15. A method of hydrophobizing and oleophobizing and for simultaneously providing a dirt- and color-repellent treatment of surfaces, of plastics, of metals, of textiles, leather, cellulose and starch products, and of mineral building materials, by applying to such the alcoholic fluoroalkyl group containing organosiloxane composition of Claim 1.

16. A method of protecting building and facades,
comprising:

applying the alcoholic fluoroalkyl functional group
containing organosiloxane of Claim 1 to buildings and facades.

5 17. A method for coating glass fibers, comprising:

coating said glass fibers with the alcoholic fluoroalkyl
functional group containing organosiloxane of Claim 1.

18. A method of silanizing fillers and pigments,
comprising:

10 applying the alcoholic fluoroalkyl functional group
containing organosiloxane of Claim 1 to said fillers and
pigments.

15 19. A method of improving the rheological properties of
polymer dispersions and emulsions, comprising:

preparing said dispersions and emulsions with the
alcoholic fluoroalkyl functional group containing
organosiloxane of Claim 1.

20 20. A method of providing a release layer with release
properties, comprising:

incorporating the alcoholic fluoroalkyl functional group
containing organosiloxane of Claim 1 in the release layer.

25 21. A method of formulating paints and coatings,
comprising:

incorporating the alcoholic fluoroalkyl functional group
containing organosiloxane of Claim 1 in said paint or coating
material.

22. A method for promoting adhesion of a formulation,
comprising:

incorporating the alcoholic fluoroalkyl functional group
containing organosiloxane of Claim 1 into said formulation.

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